

COMPACT VEHICLE-MOUNTED ANTENNA

Abstract

A compact, vehicle-mounted antenna is disclosed. In one embodiment, a first and
5 second antenna element are positioned on a conductive ground plane. The antenna elements
can comprise platforms supported by a ground and a feed. The antenna elements can be
tuned to various bands (e.g., cellular or PCS). At least one additional antenna element (e.g.,
a GPS receive antenna) can be positioned between the two antenna elements. One of the
feeds of the antenna elements can be angled so that the antenna element has a desired height
10 (e.g., a height matching the other antenna element). The antenna elements can be
electrically connected to a transmission line via a single feed line.